State of California
California Energy Commission

DUTY STATEMENT

CEC-004 (Revised 4/2024)

Classification(s): Senior Mechanical Engineer

Working Title: Senior Mechanical Engineer

Position Number: 535-710-3579-001

Division/Branch or Office: Siting, Transmission, and Environmental Division/Safety and Reliability Branch/Inspections and Investigations Unit

Collective Bargaining Identifier (CBID): R09

Work Week Group (WWG): E

Date Approved: [HR Only]

Conflict of Interest (COI): ☒ **Yes** ☐ **No**

If yes, this position is responsible for making or participating in the making of governmental decisions that may potentially have a material effect on personal financial interests. The appointee is required to complete Form 700 within 30 days of appointment, which identifies pertinent personal financial information.

Job Description

Under the general direction of the Program and Project Supervisor, Safety & Reliability Branch, the Senior Mechanical Engineer serves as the high-level resource specialist and subject-matter expert that performs difficult mechanical engineering work and technical work relating to power plants along with a variety of planning, technical and policy analyses, and feedback to staff on written work products. The incumbent helps plan and organize the inspection team conducting compliance inspections of power plants and ancillary facilities and conducting investigations of incidents, accidents or any violations that are in violation of the Energy Commission license. The incumbent will also conduct compliance inspections of power plants and ancillary facilities and conduct investigations of incidents, accidents or any violations that are in violation of the Energy Commission license.

The Senior Mechanical Engineer will also be able to lead and be responsible for applying varied, difficult, and complex technical knowledge related to fire protection systems, worker safety regulations, hazards and hazardous material management, and power generating and battery energy storage systems.

Essential Duties

25% Lead, coordinate, and provide direction to inspection staff conducting compliance inspections and investigations involving power plants and ancillary facilities; communicate priorities assignments, and technical guidance routine meetings.

20% Lead and contribute to the most complex and sensitive compliance investigations of incidents, accidents, and inspections of power plants and ancillary facilities, and prepare reports and recommendations to ensure that proposed facilities are properly constructed and operated in accordance with Energy Commission certification requirements. Monitor construction and operation of licensed facilities to assure their conformance with licensing requirements.

20% Lead strategic planning and program development activities for the unit, including establishing long-term goals, priorities, performance measures, work plans, resources strategies, and train staff and maintain a trained and competent staff in the units' inspections and investigations processes and procedures, and applicable technical areas, such as worker safety, fire protection, and hazards and hazardous materials management. Coordinate stakeholder engagement activities, assess program effectiveness, identify emerging compliance and operational risks, and recommend improvements to policies, procedures, and inspection programs.

10% Develop, implement, and evaluate complex compliance monitoring requirements and verifications related to hazardous materials management methods, worker safety and fire protection, noise and vibration, and facility design to ensure that proposed facilities are properly constructed and operated in accordance with Commission certification requirements. Monitor construction and operation of licensed facilities to assure their conformance with licensing requirements.

10% Support unit in developing and delivering timely, high-quality work products, including written products, presentations and briefings, and other deliverables, with appropriate input from relevant experts and stakeholders, consistent with Division and Energy Commission objectives. Ensure a high degree of quality control (rigorous analytical foundation and meticulous writing technique) over all deliverables.

10% Review and evaluate the mechanical engineering and related aspects of fire protection systems, worker safety, and hazardous materials management technologies as applied to thermal power plants, battery energy storage systems and related facilities. This may include

the evaluation of system and equipment design, performance and reliability, as well as alternatives to the proposed facility.

Marginal Duties

5% Perform other duties as required, consistent with the specifications of the classification.

Working Conditions

The CEC supports a hybrid workplace model with office-based and remote-centered workers. Limited in-person attendance and occasional travel may be required based on the needs of the division. Regular and consistent attendance is essential to successful performance. This position is remote-centered, which means the incumbent works 50 percent or more of their time from an alternate work location.

Diversity and Inclusion Statement

Serving all Californians, the CEC embodies diversity, equity, and inclusion, and has taken an active and meaningful role in creating an environment that enables each employee to thrive.

Employee's Acknowledgement: I certify that I am able to perform, with or without the assistance of a reasonable accommodation, the essential duties of this position.

Employee's Name (Print): _____

Employee's Signature: _____ **Date:**_____

Supervisor's Acknowledgment: I certify this duty statement represents a current and accurate description of the essential functions of this position. I have discussed the duties of this position with and provided the above-named employee a copy of this duty statement.

Supervisor's Name (Print): Kenneth Salyphone

Supervisor's Signature:_____ **Date:** _____